

Title (en)
Nuclear reprogramming factor

Title (de)
Nukleärer Reprogrammierungsfaktor

Title (fr)
Facteur de reprogrammation nucléaire

Publication
EP 2208786 A1 20100721 (EN)

Application
EP 10154817 A 20061206

Priority
• JP 2005359537 A 20051213
• EP 06834636 A 20061206
• JP 2006324881 W 20061206

Abstract (en)
There is provided a nuclear reprogramming factor for a somatic cell, which comprises a gene product of each of the following three kinds of genes: an Oct family gene, a Klf family gene, and a Myc family gene, as a means for inducing reprogramming of a differentiated cell to conveniently and highly reproducibly establish an induced pluripotent stem cell having pluripotency and growth ability similar to those of ES cells without using embryo or ES cell.

IPC 8 full level
C12N 15/09 (2006.01); **A61K 35/12** (2015.01); **A61K 35/545** (2015.01); **A61L 27/00** (2006.01); **A61L 27/38** (2006.01); **A61P 3/10** (2006.01); **A61P 25/16** (2006.01); **A61P 35/00** (2006.01); **C12N 5/074** (2010.01); **C12N 5/10** (2006.01)

CPC (source: EP KR US)
A61P 3/10 (2017.12 - EP); **A61P 9/04** (2017.12 - EP); **A61P 9/10** (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 25/16** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **C07K 14/47** (2013.01 - KR); **C07K 14/4702** (2013.01 - EP US); **C12N 5/06** (2013.01 - KR); **C12N 5/0696** (2013.01 - EP US); **C12N 15/09** (2013.01 - KR); **C12N 2501/60** (2013.01 - EP US); **C12N 2501/602** (2013.01 - EP US); **C12N 2501/603** (2013.01 - EP US); **C12N 2501/604** (2013.01 - EP US); **C12N 2501/605** (2013.01 - EP US); **C12N 2501/606** (2013.01 - EP US); **C12N 2510/00** (2013.01 - EP US); **C12N 2799/027** (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1970446 A1 20080917; EP 1970446 A4 20090408; EP 1970446 B1 20110803; AU 2006325975 A1 20070621; AU 2006325975 B2 20111208; BR P1061979 A2 20111018; BR P1061979 B1 20200915; BR P1061979 B8 20220614; CA 2632142 A1 20070621; CA 2632142 C 20130806; CN 101356270 A 20090128; CN 101356270 B 20140212; CN 101864392 A 20101020; CN 101864392 B 20160323; CN 103113463 A 20130522; CN 103113463 B 20150218; CN 103773804 A 20140507; DK 1970446 T3 20111024; EA 014166 B1 20101029; EA 018039 B1 20130530; EA 200870046 A1 20091230; EA 201000858 A1 20110228; EP 2206724 A1 20100714; EP 2206778 A1 20100714; EP 2206778 B1 20180801; EP 2208786 A1 20100721; EP 2208786 B1 20180801; EP 3418297 A1 20181226; EP 3418297 B1 20230405; EP 4223769 A2 20230809; EP 4223769 A3 20231101; ES 2367525 T3 20111104; HK 1125131 A1 20090731; HK 1125967 A1 20090821; IL 191903 A0 20081229; IL 191903 A 20111130; JP 2008283972 A 20081127; JP 2009165478 A 20090730; JP 2009165479 A 20090730; JP 2009165480 A 20090730; JP 2009165481 A 20090730; JP 2011188860 A 20110929; JP 2014000083 A 20140109; JP 4183742 B1 20081119; JP 4411362 B2 20100210; JP 4411363 B2 20100210; JP 5098028 B2 20121212; JP 5248371 B2 20130731; JP 5467223 B2 20140409; JP 5603282 B2 20141008; JP 5943324 B2 20160705; JP WO2007069666 A1 20090521; KR 101420740 B1 20140717; KR 20080095852 A 20081029; MX 2008007654 A 20080926; MX 352337 B 20171121; NZ 569530 A 20110729; PT 1970446 E 20110901; US 2009068742 A1 20090312; US 8048999 B2 20111101; WO 2007069666 A1 20070621; ZA 200804673 B 20091125

DOCDB simple family (application)
EP 06834636 A 20061206; AU 2006325975 A 20061206; BR P1061979 A 20061206; CA 2632142 A 20061206; CN 200680048227 A 20061206; CN 201010126185 A 20061206; CN 201310015158 A 20061206; CN 201410006027 A 20061206; DK 06834636 T 20061206; EA 200870046 A 20061206; EA 201000858 A 20061206; EP 10154817 A 20061206; EP 10154819 A 20061206; EP 10154821 A 20061206; EP 18174008 A 20061206; EP 23165497 A 20061206; ES 06834636 T 20061206; HK 09102406 A 20090312; HK 09103541 A 20090417; IL 19190308 A 20080603; JP 2006324881 W 20061206; JP 2007550210 A 20061206; JP 2008131577 A 20080520; JP 2009056747 A 20090310; JP 2009056748 A 20090310; JP 2009056749 A 20090310; JP 2009056750 A 20090310; JP 2011088113 A 20110412; JP 2013167725 A 20130812; KR 20087017015 A 20061206; MX 2008007654 A 20061206; MX 2011013772 A 20061206; NZ 56953006 A 20061206; PT 06834636 T 20061206; US 8647906 A 20061206; ZA 200804673 A 20061206